

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	"20070266948"	US-PGPUB; USPAT	OR	OFF	2010/09/02 13:51
S2	21	(hitz near2 denis).in. (david near2 cormier).in.	US-PGPUB; USPAT	OR	OFF	2010/09/02 13:55
S3	2	("5350974" "4747178").pn.	US-PGPUB; USPAT	OR	OFF	2010/09/02 14:02
S4	2	("5350974" "4417178").pn.	US-PGPUB; USPAT	OR	OFF	2010/09/02 15:25
S5	324	118/723MA.ccls. 156/345.42.ccls.	US-PGPUB; USPAT	OR	OFF	2010/09/02 16:43
S6	276	S5 and @ad<"20031104"	US-PGPUB; USPAT	OR	OFF	2010/09/02 16:43
S7	64	S6 and ((control\$4 adjust\$4) near6 ((electron\$2 adj temperature\$2) or energ\$4))	US-PGPUB; USPAT	OR	OFF	2010/09/02 16:45
S8	0	118723R.ccls. and ((control\$4 adjust \$4) near6 ((electron\$2 adj temperature\$2) or energ\$4))	US-PGPUB; USPAT	OR	OFF	2010/09/02 17:54
S9	249	118/723R.ccls. and ((control\$4 adjust \$4) near6 ((electron\$2 adj temperature\$2) or energ\$4))	US-PGPUB; USPAT	OR	OFF	2010/09/02 17:54
S10	71	118/723R.ccls. and ((cyclotron ECR) and ((control\$4 adjust\$4) near6 ((electron\$2 adj temperature\$2) or energ\$4)))	US-PGPUB; USPAT	OR	OFF	2010/09/02 17:55
S11	52	S10 and @ad<"20031104"	US-PGPUB; USPAT	OR	OFF	2010/09/02 17:55
S12	42	S11 not S7	US-PGPUB; USPAT	OR	OFF	2010/09/02 17:55
S13	515	(118/715-733.ccls. 156/345.\$2.ccls.) and ((cyclotron ECR) and ((control\$4 adjust\$4) near6 ((electron\$2 adj temperature\$2) or energ\$4)))	US-PGPUB; USPAT	OR	OFF	2010/09/02 18:16
S14	379	S13 and @ad<"20031104"	US-PGPUB; USPAT	OR	OFF	2010/09/02 18:16
S15	330	S14 not S7	US-PGPUB; USPAT	OR	OFF	2010/09/02 18:17
S16	288	S15 not S11	US-PGPUB; USPAT	OR	OFF	2010/09/02 18:17
S17	415	156/345.42,345.46,345.49.ccls. 118/723MR,723MA.ccls.	US-PGPUB; USPAT	OR	OFF	2010/09/03 12:55
S18	365	S17 and @ad<"20031104"	US-PGPUB; USPAT	OR	OFF	2010/09/03 12:55

S19	138	S18 and ((magnetic adj field\$2) near6 (transverse cross across radial\$4 perpendicular normal))	US-PGPUB; USPAT	OR	OFF	2010/09/03 13:03
S20	92	315/111.71.ccls. and (electron\$2 near7 energy)	US-PGPUB; USPAT	OR	OFF	2010/09/03 17:58
S21	75	S20 and @ad<"20031104"	US-PGPUB; USPAT	OR	OFF	2010/09/03 17:58
S22	44	315/111.71.ccls. and ((electron\$2 near7 energy) and (ECR cyclotron))	US-PGPUB; USPAT	OR	OFF	2010/09/03 17:59
S23	32	S22 and @ad<"20031104"	US-PGPUB; USPAT	OR	OFF	2010/09/03 17:59
S24	3147	plasma and ((electron\$2 near7 energy) and (ECR cyclotron))	US-PGPUB; USPAT	OR	OFF	2010/09/03 18:34
S25	576	plasma and (((electron\$2 near5 energy) or (electron adj temperature)) near8 (moderat\$5 control\$5 reduc\$5)) and (ECR cyclotron))	US-PGPUB; USPAT	OR	OFF	2010/09/03 18:36
S26	1771	plasma and (((magnetic adj field\$2) near8 (focus\$5 confin\$5 moderat\$5 control\$5 reduc\$5)) and (ECR cyclotron))	US-PGPUB; USPAT	OR	OFF	2010/09/03 18:38
S27	255	S25 and S26	US-PGPUB; USPAT	OR	OFF	2010/09/03 18:39
S28	172	S27 and @ad<"20031104"	US-PGPUB; USPAT	OR	OFF	2010/09/03 18:39
S29	415	156/345.42,345.46,345.49.ccls. 118/723MR,723MA.ccls.	US-PGPUB; USPAT	OR	OFF	2010/09/03 18:39
S30	365	S29 and @ad<"20031104"	US-PGPUB; USPAT	OR	OFF	2010/09/03 18:39
S31	138	S30 and ((magnetic adj field\$2) near6 (transverse cross across radial\$4 perpendicular normal))	US-PGPUB; USPAT	OR	OFF	2010/09/03 18:39
S32	163	S28 not S31	US-PGPUB; USPAT	OR	OFF	2010/09/03 18:39
S33	157	S32 not S23	US-PGPUB; USPAT	OR	OFF	2010/09/03 18:40
S34	19	plasma and (((electron\$2 near5 energy) or (electron adj temperature)) near8 (moderat\$5 control\$5 reduc\$5)) and (ECR cyclotron))	EPO; JPO; DERWENT	OR	OFF	2010/09/04 08:55
S35	314	plasma and (((magnetic adj field\$2) near8 (focus\$5 confin\$5 moderat\$5 control\$5 reduc\$5)) and (ECR cyclotron)) and (electron adj temperature)	US-PGPUB; USPAT	OR	OFF	2010/09/04 09:08
S36	129	plasma and (((magnetic adj field\$2) near8 (focus\$5 confin\$5 moderat\$5 control\$5 reduc\$5)) and (ECR cyclotron)) and ((electron adj temperature) near6 (reduc\$4 adjust \$6 control\$5))	US-PGPUB; USPAT	OR	OFF	2010/09/04 09:09

S37	74	S36 and @ad<"20031104"	US-PGPUB; USPAT	OR	OFF	2010/09/04 09:09
S38	55	(US-20070266948-\$ or US-20030230240-\$ or US-20040084422-\$ or US-20030006008-\$ or US-20080048565-\$ or US-20020080904-\$).did. or (US-4747178-\$ or US-4417178-\$ or US-4630566-\$ or US-5021919-\$ or US-5061838-\$ or US-5292370-\$ or US-5415719-\$ or US-5779802-\$ or US-5284544-\$ or US-7015646-\$ or US-5016565-\$ or US-5444207-\$ or US-5462629-\$ or US-5518572-\$ or US-6085688-\$ or US-6116187-\$ or US-6217703-\$ or US-6217704-\$ or US-6238512-\$ or US-6462482-\$ or US-6849857-\$ or US-6896775-\$ or US-6918352-\$ or US-4842707-\$ or US-4919783-\$ or US-4960073-\$).did. or (US-5013401-\$ or US-5133825-\$ or US-5147520-\$ or US-5266146-\$ or US-5279669-\$ or US-5308417-\$ or US-5366586-\$ or US-5389154-\$ or US-5431769-\$ or US-5433788-\$ or US-5503676-\$ or US-5587207-\$ or US-5674321-\$ or US-5717294-\$ or US-5772772-\$ or US-4727293-\$ or US-5350974-\$ or US-6664740-\$ or US-6028394-\$ or US-6335535-\$ or US-6628740-\$ or US-6888907-\$ or US-6896773-\$).did.	US-PGPUB; USPAT	OR	OFF	2010/09/04 11:04
S39	9	S38 and (cusp near4 (magnetic adj field))	US-PGPUB; USPAT	OR	OFF	2010/09/04 11:05
S40	2	S38 and ((cusp near4 (magnetic adj field)) same ((radial\$4 transverse parallel perpendicular normal) near6 (magnetic adj field)))	US-PGPUB; USPAT	OR	OFF	2010/09/04 11:18
S41	5	plasma and (ECR cyclotron) and (confin\$6 same ((cusp near4 (magnetic adj field)) same ((radial\$4 transverse parallel perpendicular normal) near6 (magnetic adj field))))	US-PGPUB; USPAT	OR	OFF	2010/09/04 11:19
S42	7	S38 and (secondary adj (electron\$2 emission\$2))	US-PGPUB; USPAT	OR	OFF	2010/09/04 12:00
S43	30	plasma and (ECR cyclotron)) and ((grid screen mesh filter seperator) with (((produc\$4 generat\$5 creat\$4) near6 (secondary adj electron\$3)))	US-PGPUB; USPAT	OR	OFF	2010/09/04 12:15
S44	22	S43 and @ad<"20031104"	US-PGPUB; USPAT	OR	OFF	2010/09/04 12:15
S45	123	plasma and ((grid screen mesh filter seperator) with (((produc\$4 generat\$5 creat\$4) near6 (secondary adj electron\$3)))	US-PGPUB; USPAT	OR	OFF	2010/09/04 12:21
S46	66	S45 and @ad<"20031104"	US-PGPUB; USPAT	OR	OFF	2010/09/04 12:21

S47	44	S46 not S44	US-PGPUB; USPAT	OR	OFF	2010/09/04 12:21
S48	18	plasma and (((grid screen mesh filter separator) near8 material\$2) with (secondary adj electron\$3))	US-PGPUB; USPAT	OR	OFF	2010/09/04 12:41
S49	15	S48 and @ad<"20031104"	US-PGPUB; USPAT	OR	OFF	2010/09/04 12:41
S50	69	plasma and (ECR cyclotron)) and (((electrode cathode anode) with (((produc\$4 generat\$5 creat\$4) near6 (secondary adj electron\$3)))	US-PGPUB; USPAT	OR	OFF	2010/09/04 12:46
S51	41	S50 and @ad<"20031104"	US-PGPUB; USPAT	OR	OFF	2010/09/04 12:47
S52	457	plasma and ((trap grid filter mesh screen) with (secondary adj electron \$3))	US-PGPUB; USPAT	OR	OFF	2010/09/04 13:00
S53	34	plasma and ((trap grid filter mesh screen) with material with (secondary adj electron\$3))	US-PGPUB; USPAT	OR	OFF	2010/09/04 13:01
S54	21	S53 and @ad<"20031104"	US-PGPUB; USPAT	OR	OFF	2010/09/04 13:01
S55	477	plasma and ((ECR cyclotron) and (secondary adj (emission\$2 electron \$3)))	US-PGPUB; USPAT	OR	OFF	2010/09/04 13:10
S56	214	plasma and ((ECR cyclotron) and (electron near4 (temperature energy)) and (secondary adj (emission \$2 electron\$3)))	US-PGPUB; USPAT	OR	OFF	2010/09/04 13:11
S57	116	S56 and @ad<"20031104"	US-PGPUB; USPAT	OR	OFF	2010/09/04 13:11
S58	49	118/723R.ccls. and ((trap\$4 separat \$4) near6 electron\$2)	US-PGPUB; USPAT	OR	OFF	2010/09/04 15:28
S59	29	S58 and @ad<"20031104"	US-PGPUB; USPAT	OR	OFF	2010/09/04 15:28
S60	822	315/111.81.ccls.	US-PGPUB; USPAT	OR	OFF	2010/09/04 15:51
S61	611	S60 and @ad<"20031104"	US-PGPUB; USPAT	OR	OFF	2010/09/04 15:51
S62	119	S61 and (ecr cyclotron)	US-PGPUB; USPAT	OR	OFF	2010/09/04 15:52
S63	70	S62 and (electron near5 (electron\$2 temperature))	US-PGPUB; USPAT	OR	OFF	2010/09/04 15:52
S64	265	S61 and (electron\$2 near5 (energy temperature))	US-PGPUB; USPAT	OR	OFF	2010/09/04 17:51
S65	212	S64 not S63	US-PGPUB; USPAT	OR	OFF	2010/09/04 17:52

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